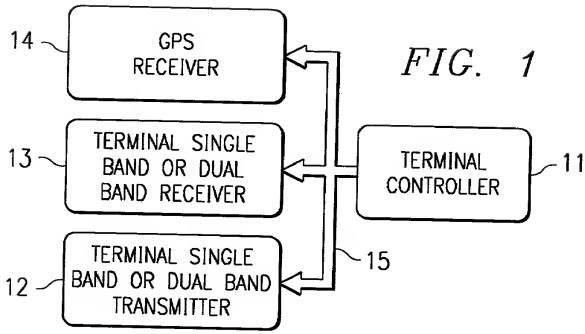

FIG. 1

FIG. 2
(PRIOR ART)

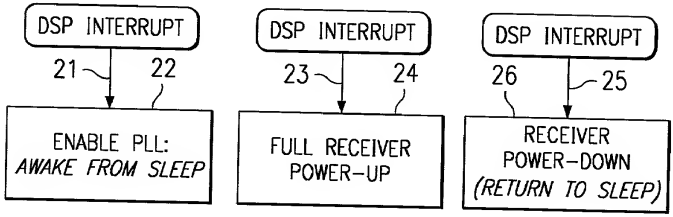

FIG. 3

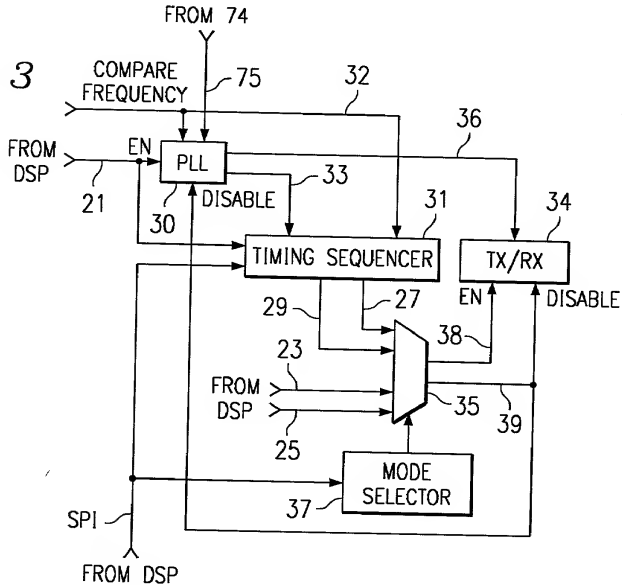

FIG. 4

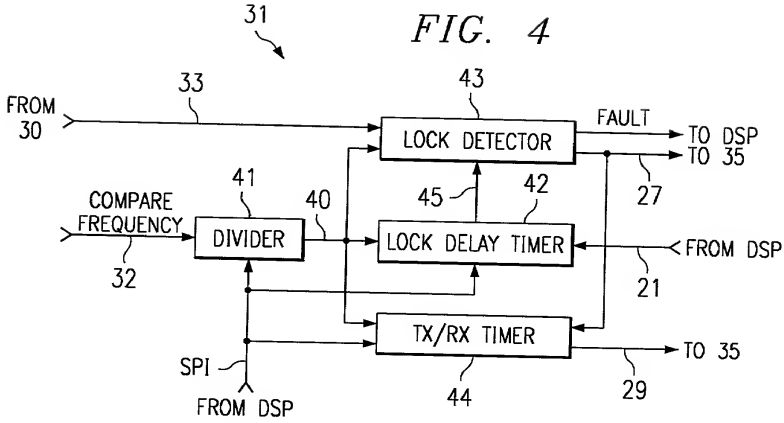

FIG. 5

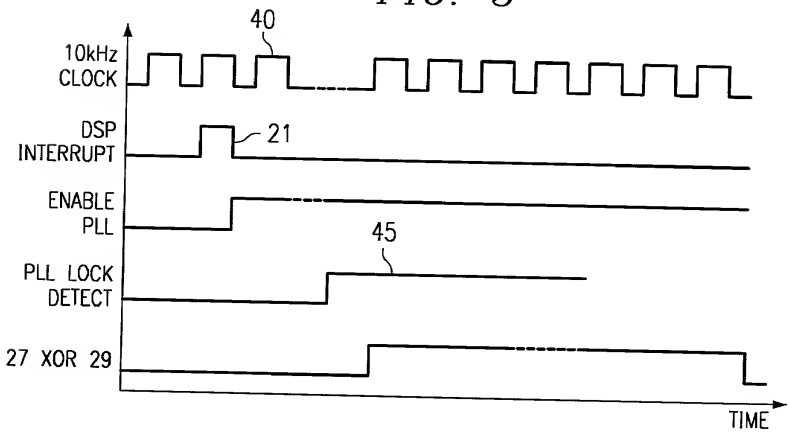

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FIG. 6

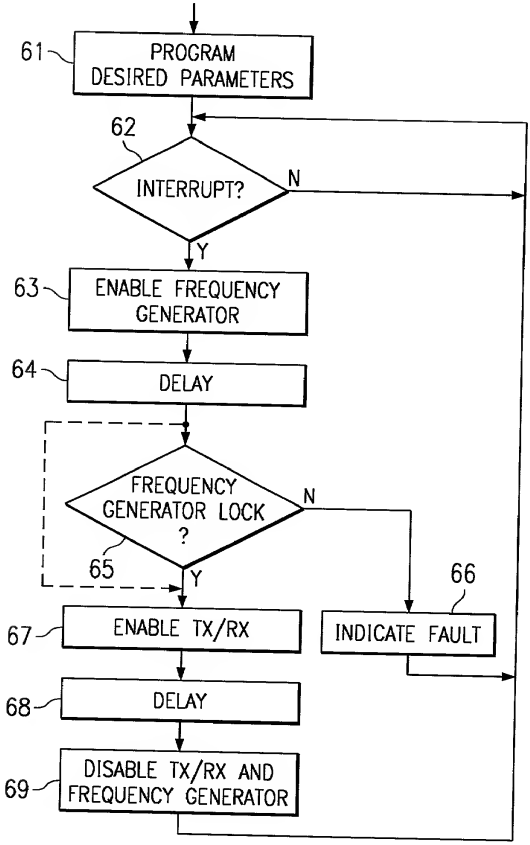

61
PROGRAM DESIRED PARAMETERS
62
INTERRUPT?
N
Y
63
ENABLE FREQUENCY GENERATOR
64
DELAY
FREQUENCY GENERATOR LOCK ?
N
65
Y
66
67
ENABLE TX/RX
INDICATE FAULT
68
DELAY
69
DISABLE TX/RX AND FREQUENCY GENERATOR

FIG. 7

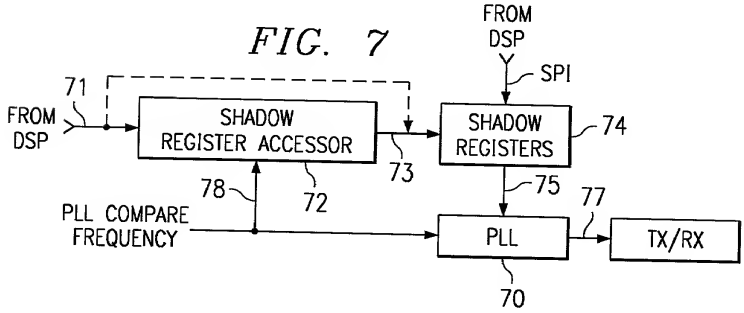

FROM DSP
SPI
71
FROM DSP
SHADOW REGISTER ACCESSOR
73
SHADOW REGISTERS
74
78
72
75
77
PLL COMPARE FREQUENCY
PLL
TX/RX
70

FIG. 8

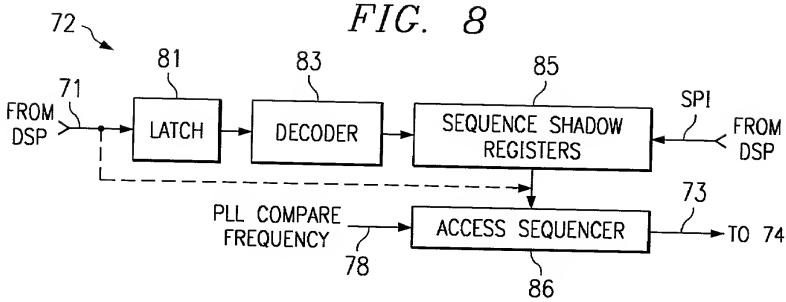
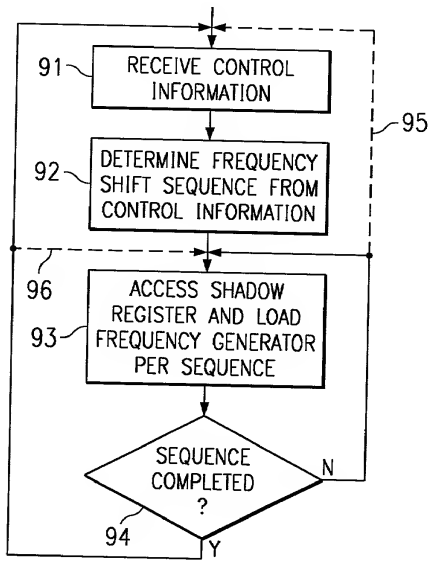


FIG. 9



Docket: 31004

FIG. 10

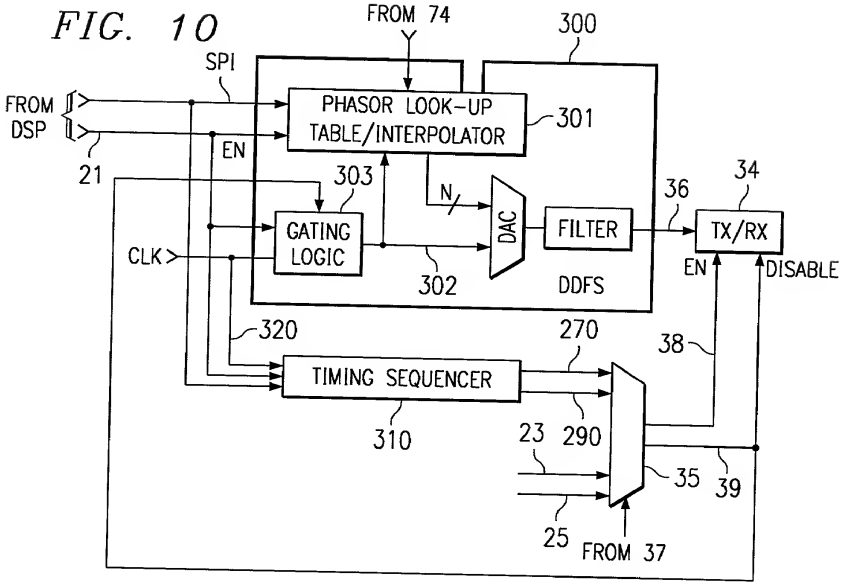


FIG. 11

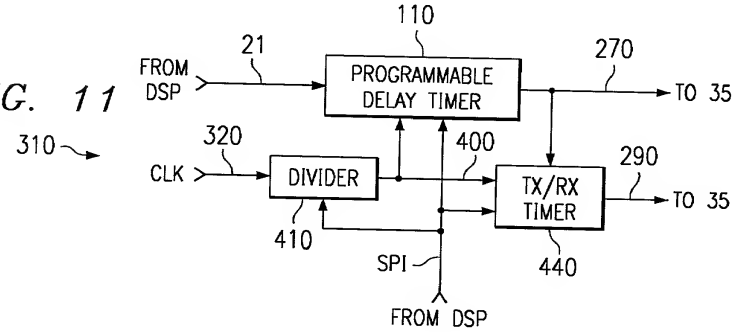
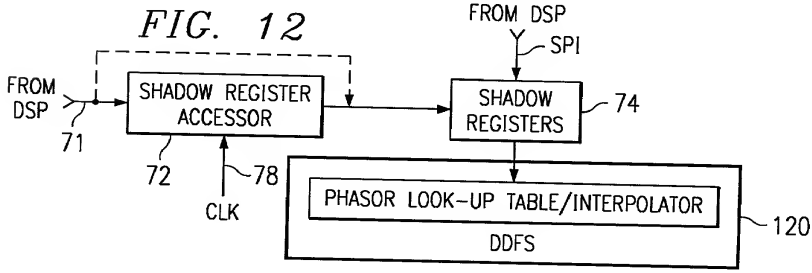



FIG. 12